

# CECD1-22-22

IECC: C405.2.2.1

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## 2024 International Energy Conservation Code [CE Project]

Revise as follows:

**C405.2.2.1 Time-switch control function.** Time-switch *controls* shall comply with all of the following:

1. ~~Automatically Programmed to automatically~~ turn off lights when the space is scheduled to be unoccupied.
2. Have a minimum 7-day clock.
3. Be capable of being set for seven different day types per week.
4. Incorporate an automatic holiday "shutoff" feature, which turns off all controlled lighting loads for not fewer than 24 hours and then resumes normally scheduled operations.
5. Have program backup capabilities, which prevent the loss of program and time settings for not fewer than 10 hours, if power is interrupted.
6. Include an override switch that complies with the following:
  - 6.1. The override switch shall be a manual control.
  - 6.2. The override switch, when initiated, shall permit the controlled lighting to remain on for not more than 2 hours.
  - 6.3. Any individual override switch shall control the lighting for an area not larger than 5,000 square feet (465 m<sup>2</sup>).
7. For spaces where schedules are not available, time switch controls are programmed to a schedule that turns lights off not less than 12 hours per day.

**Exception:** Within mall concourses, auditoriums, sales areas, manufacturing facilities and sports arenas:

1. The time limit shall be permitted to be greater than 2 hours, provided that the switch is a captive key device.
2. The area controlled by the override switch shall not be limited to 5,000 square feet (465 m<sup>2</sup>) provided that such area is less than 20,000 square feet (1860 m<sup>2</sup>).

**Reason:** PNNL study on main non-compliance was time switches not programmed so this proposal attempts to correct that issue.

**Cost Impact:** The code change proposal will neither increase nor decrease the cost of construction.

Will not increase